

WEST Search History

DATE: Friday, August 22, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
	<i>DB=JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L8	L7 not l6	1	L8
L7	(tag\$ with (product\$ or item\$ or goods)) same (authentic\$ with (product\$ or item\$ or goods)) same <u>memory</u>	3	L7
<i>reviewed</i> L6	(tag\$ with (product\$ or item\$ or goods)) same (authentic\$ with (product\$ or item\$ or goods)) and @pd<=19980414	7	L6
	<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L5	L4 not l2	0	L5
L4	(tag\$ with (product\$ or item\$ or goods) with memory) same (authentic\$ with (product\$ or item\$ or goods)) and @pd<=19980414	5	L4
	<i>DB=PGPB,JPAB,EPAB,DWPI,TDBD; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L3	(tag\$ with product with memory) same (authentic\$ with (product\$ or item\$ or goods)) and @pd<=19980414	0	L3
	<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>		
L2	(tag\$ with product with memory) same (authentic\$ with (product\$ or item\$ or goods))	5	L2
<i>scanned</i> L1	(tag\$ with product with memory) and @ad<=19980414	32	L1

END OF SEARCH HISTORY

Your wildcard search against 10000 terms has yielded the results below.

Your result set for the last L# is incomplete.

The probable cause is use of unlimited truncation. Revise your search strategy to use limited truncation.

[Generate Collection](#)

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Search Results - Record(s) 1 through 5 of 5 returned.

1. Document ID: US 4785290 A

L2: Entry 1 of 5

File: USPT

Nov 15, 1988

US-PAT-NO: 4785290

DOCUMENT-IDENTIFIER: US 4785290 A

TITLE: Non-counterfeitable document system

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#)
[Draw](#) [Desc](#) | [Image](#)

2. Document ID: US 4663622 A

L2: Entry 2 of 5

File: USPT

May 5, 1987

US-PAT-NO: 4663622

DOCUMENT-IDENTIFIER: US 4663622 A

TITLE: Non-counterfeitable document system

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#)
[Draw](#) [Desc](#) | [Image](#)

3. Document ID: US 4546352 A

L2: Entry 3 of 5

File: USPT

Oct 8, 1985

US-PAT-NO: 4546352

DOCUMENT-IDENTIFIER: US 4546352 A

**** See image for Certificate of Correction ****

TITLE: Non-counterfeitable document system

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KMC](#)
[Draw](#) [Desc](#) | [Image](#)

4. Document ID: US 4489318 A

US-PAT-NO: 4489318
DOCUMENT-IDENTIFIER: US 4489318 A
** See image for Certificate of Correction **

TITLE: Non-counterfeitable document system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KM/C
Draw Desc Image											

5. Document ID: US 4423415 A

US-PAT-NO: 4423415
DOCUMENT-IDENTIFIER: US 4423415 A
** See image for Certificate of Correction **

TITLE: Non-counterfeitable document system

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KM/C
Draw Desc Image										

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Terms	Documents
(tag\$ with product with memory) same (authentic\$ with (product\$ or item\$ or goods))	5

Display Format: [TI](#) [Change Format](#)

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L2: Entry 1 of 5

File: USPT

Nov 15, 1988

US-PAT-NO: 4785290
DOCUMENT-IDENTIFIER: US 4785290 A

TITLE: Non-counterfeitable document system

DATE-ISSUED: November 15, 1988

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goldman; Robert N.	Kailua	HI		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Light Signatures, Inc.	Los Angeles	CA			02

DISCLAIMER DATE: 20001227

APPL-NO: 07/ 045004 [PALM]
DATE FILED: April 30, 1987

PARENT-CASE:

RELATED SUBJECT MATTER This is divisional of application Ser. No. 728,553, filed Apr. 29, 1985, now U.S. Pat. No. 4,663,622, which is in turn a divisional of application Ser. No. 623,654, filed June 22, 1984, now U.S. Pat. No. 4,546,352, which is in turn a divisional of application Ser. No. 492,324, filed June 3, 1983, now U.S. Pat. No. 4,489,318, which is in turn a divisional of application Ser. No. 276,282, filed June 22, 1981, now U.S. Pat. No. 4,423,415, which is in turn a continuation-in-part of Ser. No. 161,838 filed June 23, 1980, and entitled "Non-Counterfeitable Document System" now abandoned.

INT-CL: [04] G06K 5/00, G06F 7/04

US-CL-ISSUED: 340/825.34; 235/380
US-CL-CURRENT: 340/5.86; 235/380, 340/5.9, 380/51, 380/54, 713/168, 713/185

FIELD-OF-SEARCH: 340/825.34, 340/825.33, 235/480, 235/380, 235/487, 356/71, 283/72-74, 283/91, 283/82, 350/3, 350/61

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

 [Search Selected](#) [Search ALL](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>3412493</u>	November 1968	French	40/2.2
<input type="checkbox"/> <u>4006050</u>	February 1977	Hurst et al.	156/234
<input type="checkbox"/> <u>4014602</u>	March 1977	Ruell	350/3.61
<input type="checkbox"/> <u>4034211</u>	July 1977	Horst et al.	356/71
<input type="checkbox"/> <u>4527051</u>	July 1985	Stenzel	235/380
<input type="checkbox"/> <u>4591707</u>	May 1986	Stenzel et al.	235/493
<input type="checkbox"/> <u>4663622</u>	May 1987	Goldman	340/825.34

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
529398	November 1972	CH	340/825.34
569333	November 1975	CH	340/825.34

ART-UNIT: 264

PRIMARY-EXAMINER: Yusko; Donald J.

ATTY-AGENT-FIRM: Nilsson, Robbins, Dalgarn, Berliner, Carson & Wurst

ABSTRACT:

A system is disclosed for authenticating an object on the basis of certain physical phenomena or character, specifically, measurable, but not practicably duplicable random variations in the object. In one form, the object (authenticator (T)) is a paper tag having a reference space (14), the varying translucency pattern of which is a measurable but practicably unduplicable characteristic of the paper. The reference space (14) is sensed to provide reference signals indicative of the varying translucency. A reference numeral (10) is then provided from some registered form, as on the tag or in a list. If the numeral (10) is readily accessible, it likely will be cryptographically encoded. Note the value of putting encoded information on the tag to avoid the need for large reference files. For verification, freshly sensed reference signals, as from the tag (T) (actually characteristic of the tag) are compared with signals that previously were sensed as characteristic of the tag (T). Structures are disclosed as specific forms of the authenticator (T), along with apparatus for authenticator production, detection and manipulation. Different forms of tags (210) are disclosed, the measurable characteristic of which involves light transmissivity and reflectivity. Apparatus (111) for spectrographic confirmation of tag material is also disclosed. In an illustrative form of a tag (T) as an identification means, tags and processing apparatus utilize magnetic medium (218) and printed images (214). The magnetic medium is also disclosed to be recorded as for developing information on shelf life and sales channels.

20 Claims, 19 Drawing figures

L2: Entry 1 of 5

File: USPT

Nov 15, 1988

DOCUMENT-IDENTIFIER: US 4785290 A
TITLE: Non-counterfeitable document system

Detailed Description Text (20):

The word PN is completed with miscellaneous data as indicated above and reduced to the form of the reference number 10 which is printed on the authenticator tag T. The tag T is then available for authentication to verify the likelihood that an associated product is genuine without reference to other memory. Thus, it is not necessary in this implementation to store inventories of tag characteristic data separate from the tags themselves.

[Generate Collection](#) [Print](#)

L2: Entry 4 of 5

File: USPT

Dec 18, 1984

US-PAT-NO: 4489318
DOCUMENT-IDENTIFIER: US 4489318 A
** See image for Certificate of Correction **

TITLE: Non-counterfeitable document system

DATE-ISSUED: December 18, 1984

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goldman; Robert N.	Kailua	HI		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Light Signatures, Inc.	Los Angeles	CA			02

DISCLAIMER DATE: 20001227

APPL-NO: 06/ 492324 [PALM]
DATE FILED: June 3, 1983

PARENT-CASE:

RELATED SUBJECT MATTER This is a division of application Ser. No. 276,282, filed 6/22/81, now U.S. Pat. No. 4,423,415, which is a continuation-in-part of Ser. No. 161,838 filed June 23, 1980, and entitled "Non-Counterfeitable Document System" and now abandoned.

INT-CL: [03] G06K 5/00, G06K 7/08, H04Q 9/00

US-CL-ISSUED: 340/825.34; 356/71, 235/380
US-CL-CURRENT: 340/5.86; 235/380, 283/113, 356/71, 380/54, 713/176

FIELD-OF-SEARCH: 340/825.34, 356/71, 235/468, 235/487, 235/493, 235/494, 235/385, 235/380

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

 [Search Selected](#) [Search ALL](#)

PAT-NO	ISSUE DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>4034211</u>	July 1977	Horst et al.	
<input type="checkbox"/> <u>4092526</u>	May 1978	Beck	235/493
<input type="checkbox"/> <u>4094462</u>	June 1978	Moschner	235/380
<input type="checkbox"/> <u>4114032</u>	September 1978	Brosow et al.	235/493
<input type="checkbox"/> <u>4179686</u>	December 1979	Bonicalzi et al.	356/71
<input type="checkbox"/> <u>4204765</u>	May 1980	Iannadrea et al.	356/71
<input type="checkbox"/> <u>4218674</u>	August 1980	Brosow et al.	235/493
<input type="checkbox"/> <u>4370057</u>	January 1983	Lee	356/71

OTHER PUBLICATIONS

G. D. Bruce, "Unauthorized Copy Prevention", IBM Technical Disclosure Bulletin, vol. 18, No. 1, Jun. 1975, pp. 59, 60.

ART-UNIT: 264

PRIMARY-EXAMINER: Yusko; Donald J.

ATTY-AGENT-FIRM: Nilsson, Robbins, Dalgarn, Berliner, Carson & Wurst

ABSTRACT:

A system is disclosed for authenticating an object on the basis of certain physical phenomena or character, specifically, measurable, but not practicably duplicable random variations in the object. In one form, the object (authenticator (T)) is a paper tag having a reference space (14), the varying translucency pattern of which is a measurable but practicably unduplicable characteristic of the paper. The reference space (14) is sensed to provide reference signals indicative of the varying translucency. A reference numeral (10) is then provided from some registered form, as on the tag or in a list. If the numeral (10) is readily accessible, it likely will be cryptographically encoded. Note the value of putting encoded information on the tag to avoid the need for large reference files.

For verification, freshly sensed reference signals, as from the tag (T) (actually characteristic of the tag) are compared with signals that previously were sensed as characteristic of the tag (T). Structures are disclosed as specific forms of the authenticator (T), along with apparatus for authenticator production, detection and manipulation. Different forms of tags (210) are disclosed, the measurable characteristic of which involves light transmissivity and reflectivity. Apparatus (111) for spectrographic confirmation of tag material is also disclosed. In an illustrative form of a tag (T) as an identification means, tags and processing apparatus utilize magnetic medium (218) and printed images (214). The magnetic medium is also disclosed to be recorded as for developing information on shelf life and sales channels.

10 Claims, 19 Drawing figures

End of Result Set

L2: Entry 5 of 5

File: USPT

Dec 27, 1983

US-PAT-NO: 4423415
DOCUMENT-IDENTIFIER: US 4423415 A
** See image for Certificate of Correction **

TITLE: Non-counterfeitable document system

DATE-ISSUED: December 27, 1983

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goldman; Robert N.	Kailua	HI		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Light Signatures, Inc.	Los Angeles	CA			02

APPL-NO: 06/ 276282 [PALM]
DATE FILED: June 22, 1981

PARENT-CASE:

RELATED SUBJECT MATTER This is a continuation-in-part of Ser. No. 161,838 filed June 23, 1980, abandoned and entitled "Non-Counterfeitable Document System".

INT-CL: [03] H04Q 9/00, G06K 19/00, G06K 5/00

US-CL-ISSUED: 340/825.34; 235/382, 235/454, 235/493
US-CL-CURRENT: 340/5_86; 235/382, 235/454, 235/493, 283/112, 283/74, 283/77, 283/79,
283/82, 283/83, 283/904, 283/91, 380/54, 902/25, 902/29, 902/4, 902/7

FIELD-OF-SEARCH: 235/381, 235/382, 235/493, 235/487, 235/454, 235/435, 340/825.34

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>3108692</u>	October 1963	Patzer	
<u>3457421</u>	July 1969	Bayha	
<u>3753617</u>	August 1973	Ehrat	
<u>3782543</u>	January 1974	Martelli	
<u>3836754</u>	September 1974	Toye et al.	235/454
<u>3916194</u>	October 1975	Novak et al.	
<u>3922090</u>	November 1975	Fain	
<u>3947661</u>	March 1976	Silverman et al.	235/382
<u>3959630</u>	May 1976	Hogberg	235/487
<u>4025759</u>	May 1977	Scheffel	235/487
<u>4056731</u>	November 1977	Bayha	
<u>4066910</u>	January 1978	Swift	235/454
<u>4094462</u>	June 1978	Moschner	
<u>4114032</u>	September 1978	Brosow et al.	235/493
<u>4139779</u>	February 1979	Ehrat	
<u>4147430</u>	April 1979	Gorgone et al.	
<u>4175774</u>	November 1979	Tonges et al.	
<u>4179685</u>	December 1979	O'Maley	
<u>4213038</u>	July 1980	Silverman et al.	235/381
<u>4218674</u>	August 1980	Brosow et al.	340/825.34

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
1546053	January 1978	GB	

OTHER PUBLICATIONS

U. K. Patent Application 2,067,322, Stockburger.
 R. Alan, Counterfeit and Impostor Resistant Machine Readable ID Card System, Apr. 1977, The Mitre Corporation, Box 208, Bedford, MA.
 Proposed Fugi Perfect Identification Security System (PIDSS) for Issue of PID Engraved Card and/or Paper and Retrieval System of Character Data and/or Picture Data (Total System), Fugi Electric Co., Ltd., May 1978.
 "Scrambling to Foil Forgers", Product Design Column, Business Week, Apr. 13, 1981.

ART-UNIT: 234

PRIMARY-EXAMINER: Yusko; Donald J.

ATTY-AGENT-FIRM: Nilsson, Robbins, Dalgarn, Berliner, Carson & Wurst

ABSTRACT:

A system is disclosed for authenticating an object on the basis of certain physical phenomena or character, specifically, measurable, but not practicably duplicable random variations in the object. In one form, the object (authenticator (T)) is a paper tag having a reference space (14), the varying translucency pattern of which is a measurable but practicably unduplicable characteristic of the paper. The

reference space (14) is sensed to provide reference signals indicative of the varying translucency. A reference numeral (10) is then provided from some registered form, as on the tag or in a list. If the numeral (10) is readily accessible, it likely will be cryptographically encoded. Note the value of putting encoded information on the tag to avoid the need for large reference files.

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40 Claims, 19 Drawing figures

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L2: Entry 2 of 5

File: USPT

May 5, 1987

US-PAT-NO: 4663622
 DOCUMENT-IDENTIFIER: US 4663622 A

TITLE: Non-counterfeitable document system

DATE-ISSUED: May 5, 1987

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Goldman; Robert N.	Kailua	HI		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Light Signatures, Inc.	Los Angeles	CA			02

DISCLAIMER DATE: 20001227

APPL-NO: 06/ 728553 [PALM]
 DATE FILED: April 29, 1985

PARENT-CASE:

RELATED SUBJECT MATTER This is a divisional of application Ser. No. 623,654, filed June 22, 1984, now U.S. Pat. No. 4,546,352 which is in turn a divisional of application Ser. No. 492,324, filed June 3, 1983, now U.S. Pat. No. 4,489,318, which is in turn a divisional of application Ser. No. 276,282, filed June 22, 1981, now U.S. Pat. No. 4,423,415, which is in turn a continuation-in-part of Ser. No. 161,838 filed June 23, 1980, and entitled "Non-Counterfeitable Document System", now abandoned

INT-CL: [04] G06K 5/00, G06F 7/04

US-CL-ISSUED: 340/825.34; 235/380
 US-CL-CURRENT: 340/5.86; 235/380, 283/113, 380/54, 713/176, 902/6

FIELD-OF-SEARCH: 340/825.34, 356/71, 235/380, 235/385, 235/468, 235/487, 235/493, 235/494, 235/382, 235/375, 283/72-74, 283/81, 283/11, 283/901

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

[Search Selected](#) [Search ALL](#)

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<u>4325570</u>	April 1982	Estrada	283/73
<u>4450348</u>	May 1984	Stockburger et al.	235/487
<u>4469937</u>	September 1984	Stockburger et al.	340/825.34
<u>4476382</u>	October 1984	White	235/487

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
2229099	April 1974	FR	
529398	November 1972	CH	
569333	November 1975	CH	

OTHER PUBLICATIONS

"What The Printer Should Know About Paper", William H. Bureau, Graphics Aristechnical Foundation of Pittsburgh, Pa., 1982, Library of Congress Catalog Card Number 81-86238.

ART-UNIT: 264

PRIMARY-EXAMINER: Yusko; Donald J.

ATTY-AGENT-FIRM: Nilsson, Robbins, Dalgarn, Berliner, Carson & Wurst

ABSTRACT:

A system for authenticating an object on the basis of certain physical phenomena or character, specifically, measurable, but not practicably duplicable random variations in the object. In one form, the object (authenticator (T)) is a paper tag having a reference space (14), the varying translucency pattern or which is a measurable but practicably unduplicable characteristic of the paper. The reference space (14) is sensed to provide reference signals indicative of the varying translucency. A reference numeral (10) is then provided from some registered form, as on the tag or in a list. If the numeral (10) is readily accessible, it likely will be cryptographically encoded. Note the value of putting encoded information on the tag to avoid the need for large reference files.

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21 Claims, 19 Drawing figures

[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 7 of 7 returned.** **1. Document ID: EP 673853 A1**

L6: Entry 1 of 7

File: EPAB

Sep 27, 1995

PUB-NO: EP000673853A1
DOCUMENT-IDENTIFIER: EP 673853 A1
TITLE: Article with anti-theft device.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw	Desc	Clip	Img	Image						

 2. Document ID: WO 8403019 A1

L6: Entry 2 of 7

File: EPAB

Aug 2, 1984

PUB-NO: WO008403019A1
DOCUMENT-IDENTIFIER: WO 8403019 A1
TITLE: MERCHANTISE VERIFICATION AND INFORMATION SYSTEM

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw	Desc	Clip	Img	Image						

 3. Document ID: ES 2179274 T3 EP 806460 A1 AU 9719994 A ZA 9704021 A JP 10067952 A CA 2204801 A CZ 9701394 A3 BR 9703119 A KR 97074878 A US 5853464 A AU 718636 B EP 806460 B1 DE 69713953 E

L6: Entry 3 of 7

File: DWPI

Jan 16, 2003

DERWENT-ACC-NO: 1997-538608
DERWENT-WEEK: 200316
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TITLE: Security ink compositions, for authentication of security materials, e.g. stamps - comprising Surface Enhanced Raman Scattering active solutions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KOMC
Draw	Desc	Image								

 4. Document ID: DE 69721855 E EP 786498 A2 JP 09241523 A CA 2195934 A US 5718754 A KR 97059244 A BR 9700765 A EP 786498 B1

L6: Entry 4 of 7

File: DWPI

Jun 18, 2003

DERWENT-ACC-NO: 1997-374907

DERWENT-WEEK: 200348
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TITLE: Pigment composition useful for printing security documents - comprises pigment and coding compound which can be readily detected by Raman spectroscopy

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									KMNC

5. Document ID: EP 673853 A1 DE 59405233 G DE 4410137 A1 EP 673853 B1

L6: Entry 5 of 7

File: DWPI

Sep 27, 1995

DERWENT-ACC-NO: 1995-329760

DERWENT-WEEK: 199816

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TITLE: Sales item with anti-theft protection and authenticity label - using security tag provided on side of authenticity label facing item to prevent its removal

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Clip Img Image									KMNC

6. Document ID: CN 1069591 A

L6: Entry 6 of 7

File: DWPI

Mar 3, 1993

DERWENT-ACC-NO: 1994-008284

DERWENT-WEEK: 199402

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Authenticating label used on packing of various products - has secret sign which is revealed after rubbing with finger nail on seal tag surface, whereby consumers can tell true product from fakes NoAbstract

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									KMNC

7. Document ID: WO 8403019 A CA 1213371 A DE 3382689 G EP 131574 A EP

131574 B1 JP 60500466 W US 4558318 A US 4651150 A US 4739322 A US 4816824 A

L6: Entry 7 of 7

File: DWPI

Aug 2, 1984

DERWENT-ACC-NO: 1984-201499

DERWENT-WEEK: 198432

COPYRIGHT 2003 DERWENT INFORMATION LTD

TITLE: Merchandise verification and information system - uses authentication tag to prevent counterfeit, with machine readable identification number for each item

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc Image									KMNC

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Terms	Documents
(tag\$ with (product\$ or item\$ or goods)) same (authentic\$ with (product\$ or item\$ or goods)) and @pd<=19980414	7

Display Format:

[Previous Page](#) [Next Page](#)

[Generate Collection](#) [Print](#)

L6: Entry 1 of 7

File: EPAB

Sep 27, 1995

PUB-NO: EP000673853A1
DOCUMENT-IDENTIFIER: EP 673853 A1
TITLE: Article with anti-theft device.

PUBN-DATE: September 27, 1995

INVENTOR-INFORMATION:

NAME	COUNTRY
CHAMBERLAIN, JOHN R B	GB

ASSIGNEE-INFORMATION:

NAME	COUNTRY
ESSELTE METO INT GMBH	DE

APPL-NO: EP94119922

APPL-DATE: December 16, 1994

PRIORITY-DATA: DE04410137A (March 24, 1994)

INT-CL (IPC): B65 D 55/02

EUR-CL (EPC): B65D055/02; G08B013/24

ABSTRACT:

The item is provided with an electromagnetic security tag (4) for preventing shop-lifting, combined with an authenticity label (2), for preventing the removal of the security tag, without the authenticity label being destroyed. Pref. the authenticity label is provided by a hologram, with the security tag provided on the side of the label facing the item and provided by a soft magnetic metal strip, a hard magnetic metal tape, a soft magnetic thin-film layer applied to a self-adhesive strip (5), or an LC resonant circuit with an antenna.

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L6: Entry 1 of 7

File: EPAB

Sep 27, 1995

DOCUMENT-IDENTIFIER: EP 673853 A1
TITLE: Article with anti-theft device.

Abstract Text (1):

The item is provided with an electromagnetic security tag (4) for preventing shop-lifting, combined with an authenticity label (2), for preventing the removal of the security tag, without the authenticity label being destroyed. Pref. the authenticity label is provided by a hologram, with the security tag provided on the side of the label facing the item and provided by a soft magnetic metal strip, a hard magnetic metal tape, a soft magnetic thin-film layer applied to a self-adhesive strip (5), or an LC resonant circuit with an antenna.

Publication Date (1):19950927

L6: Entry 2 of 7

File: EPAB

Aug 2, 1984

PUB-NO: WO008403019A1

DOCUMENT-IDENTIFIER: WO 8403019 A1

TITLE: MERCHANDISE VERIFICATION AND INFORMATION SYSTEM

PUBN-DATE: August 2, 1984

INVENTOR-INFORMATION:

NAME	COUNTRY
KATZ, RONALD ALAN	US
GOLDMAN, ROBERT NORMAN	US

ASSIGNEE-INFORMATION:

NAME	COUNTRY
LIGHT SIGNATURES INC	US

APPL-NO: US08300566

APPL-DATE: April 15, 1983

PRIORITY-DATA: US45869983A (January 17, 1983)

INT-CL (IPC): H04Q 9/00; G06K 5/00

EUR-CL (EPC): G07D007/00; G07D007/00, G06K017/00, G06F017/60

ABSTRACT:

CHG DATE=20000815 STATUS=0>A system for individually tracing units of merchandise with authentication devices or tags (10) as such tags (with merchandise) move through channels of commerce. The total system incorporates a non-counterfeitable authenticator or verification tag (10) which bears a machine-readable identification number (26, 36, 38) and which in one form includes perforated, tear-off sections (14, 18) bearing the identification number and in another form (Fig. 5) is adhesively integrated with a product package. Operating with the tag, the physical system includes a central processor (40) with a memory means that is addressable by using the tag identification number. A tag reader (106) senses the machine-readable identification number (may also verify the tag) and addresses the memory means for registering information to specifically identify the tag and indicate batch information (80). As the tag (and unit of merchandise) move to commerce, the memory information is supplemented to provide a history (Fig. 4) of such movement. In subsequent operations, the memory can then be tested for meaningful information on the merchandise. As one key to using the method to procure significant data, the system incorporates apparatus (64) for testing the content of the memory to manifest the identification of specific tags that are related as a subset of merchandise of interest.

L6: Entry 3 of 7

File: DWPI

Jan 16, 2003

DERWENT-ACC-NO: 1997-538608

DERWENT-WEEK: 200316

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TITLE: Security ink compositions, for authentication of security materials, e.g. stamps - comprising Surface Enhanced Raman Scattering active solutions

INVENTOR: FRASER, I F; MACPHERSON, I A ; MUNRO, C H ; SMITH, W E ; WHITE, P C ; WILSON, S K

PATENT-ASSIGNEE: CIBA SPECIALTY CHEM HOLDING INC (CIBA), UNIV STRATHCLYDE (UYST), CIBA SPECIALITY CHEM HOLDING INC (CIBA), CIBA SPECIALTY CHEM CORP (CIBA), CIBA SPECIALTY CHEM HOLDINGS INC (CIBA)

PRIORITY-DATA: 1996GB-0009793 (May 10, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
ES 2179274 T3	January 16, 2003		000	C09D011/02
EP 806460 A1	November 12, 1997	E	006	C09D011/02
AU 9719994 A	November 13, 1997		000	C09D011/02
ZA 9704021 A	January 28, 1998		014	C09D000/00
JP 10067952 A	March 10, 1998		006	C09D011/00
CA 2204801 A	November 10, 1997		000	C09D011/00
CZ 9701394 A3	May 13, 1998		000	C09D005/32
BR 9703119 A	August 25, 1998		000	C09D011/02
KR 97074878 A	December 10, 1997		000	C09D011/02
US 5853464 A	December 29, 1998		000	C09B067/50
AU 718636 B	April 20, 2000		000	C09D011/02
EP 806460 B1	July 17, 2002	E	000	C09D011/02
DE 69713953 E	August 22, 2002		000	C09D011/02

DESIGNATED-STATES: CH DE DK ES FR GB IT LI NL CH DE DK ES FR GB IT LI NL

CITED-DOCUMENTS: DE 2839501; WO 9111492

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	descriptor
ES 2179274T3	May 2, 1997	1997EP-0303035	
ES 2179274T3		EP 806460	Based on
EP 806460A1	May 2, 1997	1997EP-0303035	
AU 9719994A	May 2, 1997	1997AU-0019994	
ZA 9704021A	May 9, 1997	1997ZA-0004021	
JP 10067952A	May 9, 1997	1997JP-0118544	
CA 2204801A	May 8, 1997	1997CA-2204801	
CZ 9701394A3	May 7, 1997	1997CZ-0001394	
BR 9703119A	May 12, 1997	1997BR-0003119	
KR 97074878A	May 9, 1997	1997KR-0017793	
US 5853464A	May 8, 1997	1997US-0854009	
AU 718636B	May 2, 1997	1997AU-0019994	
AU 718636B		AU 9719994	Previous Publ.
EP 806460B1	May 2, 1997	1997EP-0303035	
DE 69713953E	May 2, 1997	1997DE-0613953	
DE 69713953E	May 2, 1997	1997EP-0303035	
DE 69713953E		EP 806460	Based on

INT-CL (IPC): B41 M 3/14; C09 B 67/50; C09 C 1/62; C09 C 3/00; C09 C 3/08; C09 D 0/00; C09 D 5/32; C09 D 11/00; C09 D 11/02

ABSTRACTED-PUB-NO: EP 806460A

BASIC-ABSTRACT:

Inks containing a Surface Enhanced Raman Scattering (SERRS) active solution are claimed.

Preparation of SERRS active solutions comprises reducing a soluble precursor of the metal and adding the coding compound during the reduction. The SERRS active solution is prepared from silver, gold, copper or aluminium (especially, silver) and contains a coding compound which exhibits a characteristic Raman spectrum and has a similar electronic absorption frequency to the SERRS plasmon resonance frequency. The preferred coding compound is poly (L-lysine) with copper phthalocyanine sulphonic acid.

USE - Inks containing the solutions are useful for printing on security documents and other items which need to be authenticated, e.g. paper and rag paper, preferably currency-grade paper, plastic-coated or laminated paper, and plastics, e.g. bank-card-grade PVC, or plastic paper, non-woven plastic paper, including banknotes, banknote thread, currency, travellers' cheques, bonds, certificates, stamps, lottery tickets, ownership documents, passports, identity cards, credit cards, charge cards, access cards, smart cards, brand authentication labels and tags, and tamper proof labels. The SERRS active solutions can be included in electro-photographic toners, matrix or daisy-wheel printer inks, and non-impact printing media, optionally blended with a polymer and bonded other than in an ink; may be deposited in a single area or a series of areas; optionally printed in a coded pattern; and may be used in hidden security coding inks.

ADVANTAGE - The compositions are robust, selective and molecularly specific and provide quick and easy identification by SERRS, which allows more precise identification of each species and sensing of a number of different well defined coding compounds in one system. The sensitivity is so great that unique, easily distinguished signals can be obtained from inks which contain so little of the specially prepared SERRS active solution that these inks are otherwise indistinguishable from clear varnish. An additional advantage of using an aggregation agent is modification of the surface charge of the SERRS active metal colloid, enabling a wider range of coding compounds to be used.

ABSTRACTED-PUB-NO: EP 806460B

EQUIVALENT-ABSTRACTS:

Inks containing a Surface Enhanced Raman Scattering (SERRS) active

solution are claimed.

Preparation of SERRS active solutions comprises reducing a soluble precursor of the metal and adding the coding compound during the reduction. The SERRS active solution is prepared from silver, gold, copper or aluminium (especially, silver) and contains a coding compound which exhibits a characteristic Raman spectrum and has a similar electronic absorption frequency to the SERRS plasmon resonance frequency. The preferred coding compound is poly (L-lysine) with copper phthalocyanine sulphonic acid.

USE - Inks containing the solutions are useful for printing on security documents and other items which need to be authenticated, e.g. paper and rag paper, preferably currency-grade paper, plastic-coated or laminated paper, and plastics, e.g. bank-card-grade PVC, or plastic paper, non-woven plastic paper, including banknotes, banknote thread, currency, travellers' cheques, bonds, certificates, stamps, lottery tickets, ownership documents, passports, identity cards, credit cards, charge cards, access cards, smart cards, brand authentication labels and tags, and tamper proof labels. The SERRS active solutions can be included in electro-photographic toners, matrix or daisy-wheel printer inks, and non-impact printing media, optionally blended with a polymer and bonded other than in an ink; may be deposited in a single area or a series of areas; optionally printed in a coded pattern; and may be used in hidden security coding inks.

ADVANTAGE - The compositions are robust, selective and molecularly specific and provide quick and easy identification by SERRS, which allows more precise identification of each species and sensing of a number of different well defined coding compounds in one system. The sensitivity is so great that unique, easily distinguished signals can be obtained from inks which contain so little of the specially prepared SERRS active solution that these inks are otherwise indistinguishable from clear varnish. An additional advantage of using an aggregation agent is modification of the surface charge of the SERRS active metal colloid, enabling a wider range of coding compounds to be used.

US 5853464A

Inks containing a Surface Enhanced Resonance Raman Scattering (SERRS) active solution are claimed.

Preparation of SERRS active solutions comprises reducing a soluble precursor of the metal and adding the coding compound during the reduction. The SERRS active solution is prepared from silver, gold, copper or aluminium (especially, silver) and contains a coding compound which exhibits a characteristic Raman spectrum and has a similar electronic absorption frequency to the SERRS plasmon resonance frequency. The preferred coding compound is poly (L-lysine) with copper phthalocyanine sulphonic acid.

USE - Inks containing the solutions are useful for printing on security documents and other items which need to be authenticated, e.g. paper and rag paper, preferably currency-grade paper, plastic-coated or laminated paper, and plastics, e.g. bank-card-grade PVC, or plastic paper, non-woven plastic paper, including banknotes, banknote thread, currency, travellers' cheques, bonds, certificates, stamps, lottery tickets, ownership documents, passports, identity cards, credit cards, charge cards, access cards, smart cards, brand authentication labels and tags, and tamper proof labels. The SERRS active solutions can be included in electro-photographic toners, matrix or daisy-wheel printer inks, and non-impact printing media, optionally blended with a polymer and bonded other than in an ink; may be deposited in a single area or a series of areas; optionally printed in a coded pattern; and may be used in hidden security coding inks.

ADVANTAGE - The compositions are robust, selective and molecularly specific and provide quick and easy identification by SERRS, which allows more precise identification of each species and sensing of a number of different well defined coding compounds in one system. The sensitivity is so great that unique, easily distinguished signals can be obtained from inks which contain so little of the specially prepared SERRS active solution that these inks are otherwise indistinguishable from clear varnish. An additional advantage of using an aggregation agent is modification of the surface charge of the SERRS active metal colloid, enabling a wider range of coding compounds to be used.

CHOSEN-DRAWING: Dwg.

DERWENT-CLASS: A97 E23 G02 P75

CPI-CODES: A08-E01; A11-C04A; A12-D; E23-B; G02-A04A;

L6: Entry 4 of 7

File: DWPI

Jun 18, 2003

DERWENT-ACC-NO: 1997-374907

DERWENT-WEEK: 200348

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TITLE: Pigment composition useful for printing security documents - comprises pigment and coding compound which can be readily detected by Raman spectroscopy

INVENTOR: FRASER, I F; MACPHERSON, I A ; MUNRO, C H ; SMITH, W E ; WHITE, P C

PATENT-ASSIGNEE: CIBA SPECIALTY CHEM HOLDING INC (CIBA), UNIV STRATHCLYDE (UYST), CIBA SPECIALTY CHEM CORP (CIBA)

PRIORITY-DATA: 1996GB-0001604 (January 26, 1996)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 69721855 E	June 18, 2003		000	C09B067/22
EP 786498 A2	July 30, 1997	E	005	C09B067/22
JP 09241523 A	September 16, 1997		006	C09B067/20
CA 2195934 A	July 27, 1997		000	C09B067/08
US 5718754 A	February 17, 1998		004	C09B067/50
KR 97059244 A	August 12, 1997		000	C09B067/22
BR 9700765 A	December 11, 2001		000	C09B067/22
EP 786498 B1	May 14, 2003	E	000	C09B067/22

DESIGNATED-STATES: BE CH DE FR GB IT LI NL BE CH DE FR GB IT LI NL

CITED-DOCUMENTS: No-SR.Pub

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 69721855E	January 17, 1997	1997DE-0621855	
DE 69721855E	January 17, 1997	1997EP-0300294	
DE 69721855E		EP 786498	Based on
EP 786498A2	January 17, 1997	1997EP-0300294	
JP 09241523A	January 24, 1997	1997JP-0010744	
CA 2195934A	January 24, 1997	1997CA-2195934	
US 5718754A	January 24, 1997	1997US-0788148	
KR 97059244A	January 25, 1997	1997KR-0002171	
BR 9700765A	January 24, 1997	1997BR-0000765	
EP 786498B1	January 17, 1997	1997EP-0300294	

INT-CL (IPC): B41 M 3/14; B42 D 15/00; B42 D 15/10; C09 B 67/08; C09 B 67/20; C09 B 67/22; C09 B 67/50; C09 D 11/00; C09 D 11/02; G01 N 21/25

ABSTRACTED-PUB-NO: EP 786498A

BASIC-ABSTRACT:

A pigment composition comprises a pigment having adsorbed on its surface or as a physical mixture, up to 10 wt.%, based on the total weight of pigment composition,

of a coding compound which is a compound containing an azo, azomethine or polycyclic chromophore and which has an absorption spectrum and a Raman spectrum different from that of the pigment.

USE - Inks containing the pigment composition are useful for printing on security documents and other items which need to be authenticated (claimed) including banknotes, banknote thread, currency, travellers cheques, bonds, certificates, stamps, lottery tickets, ownership documents, passports, identity card, credit cards, charge cards, access cards, smart cards, brand authentication labels and tags, and tamper proof labels (claimed).

ADVANTAGE - The pigment is modified so that it can be readily detected by Raman spectroscopy. The modification allows the use of more than one excitation wavelength for detection.

ABSTRACTED-PUB-NO: US 5718754A

EQUIVALENT-ABSTRACTS:

A pigment composition comprises a pigment having adsorbed on its surface or as a physical mixture, up to 10 wt.%, based on the total weight of pigment composition, of a coding compound which is a compound containing an azo, azomethine or polycyclic chromophore and which has an absorption spectrum and a Raman spectrum different from that of the pigment.

USE - Inks containing the pigment composition are useful for printing on security documents and other items which need to be authenticated (claimed) including banknotes, banknote thread, currency, travellers cheques, bonds, certificates, stamps, lottery tickets, ownership documents, passports, identity card, credit cards, charge cards, access cards, smart cards, brand authentication labels and tags, and tamper proof labels (claimed).

ADVANTAGE - The pigment is modified so that it can be readily detected by Raman spectroscopy. The modification allows the use of more than one excitation wavelength for detection.

CHOSEN-DRAWING: Dwg.0/0 Dwg.0/0

DERWENT-CLASS: E24 G02 P75 P76

CPI-CODES: E25; G02-A04B;



L6: Entry 5 of 7

File: DWPI

Sep 27, 1995

DERWENT-ACC-NO: 1995-329760

DERWENT-WEEK: 199816

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TITLE: Sales item with anti-theft protection and authenticity label - using security tag provided on side of authenticity label facing item to prevent its removal

INVENTOR: CHAMBERLAIN, J R B

PATENT-ASSIGNEE: ESSELTE METO INT GMBH (ESSP)

PRIORITY-DATA: 1994DE-4410137 (March 24, 1994)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 673853 A1	September 27, 1995	G	007	B65D055/02
DE 59405233 G	March 12, 1998		000	B65D055/02
DE 4410137 A1	September 28, 1995		006	B65D085/57
EP 673853 B1	February 4, 1998	G	008	B65D055/02

DESIGNATED-STATES: DE FR GB SE DE FR GB SE

CITED-DOCUMENTS: EP 585076; EP 619243 ; US 5267756

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 673853A1	December 16, 1994	1994EP-0119922	
DE 59405233G	December 16, 1994	1994DE-0505233	
DE 59405233G	December 16, 1994	1994EP-0119922	
DE 59405233G		EP 673853	Based on
DE 4410137A1	March 24, 1994	1994DE-4410137	
EP 673853B1	December 16, 1994	1994EP-0119922	

INT-CL (IPC): A44 C 19/00; B65 D 55/02; B65 D 85/57; G07 C 11/00; G08 B 13/24; G09 F 3/03

ABSTRACTED-PUB-NO: EP 673853A

BASIC-ABSTRACT:

The item is provided with an electromagnetic security tag (4) for preventing shop-lifting, combined with an authenticity label (2), for preventing the removal of the security tag, without the authenticity label being destroyed.

Pref. the authenticity label is provided by a hologram, with the security tag provided on the side of the label facing the item and provided by a soft magnetic metal strip, a hard magnetic metal tape, a soft magnetic thin-film layer applied to a self-adhesive strip (5), or an LC resonant circuit with an antenna.

USE/ADVANTAGE - For factory labelling of packaged, e.g. bottled food, and for expensive items, e.g. electronic equipment, garden tools, magnetic tape cassettes, diskettes, CDs, books, cosmetics, furniture, etc. Protects high priced item from theft and ensures customer of authenticity.

ABSTRACTED-PUB-NO: EP 673853B
EQUIVALENT-ABSTRACTS:

The item is provided with an electromagnetic security tag (4) for preventing shop-lifting, combined with an authenticity label (2), for preventing the removal of the security tag, without the authenticity label being destroyed.

Pref. the authenticity label is provided by a hologram, with the security tag provided on the side of the label facing the item and provided by a soft magnetic metal strip, a hard magnetic metal tape, a soft magnetic thin-film layer applied to a self-adhesive strip (5), or an LC resonant circuit with an antenna.

USE/ADVANTAGE - For factory labelling of packaged, e.g. bottled food, and for expensive items, e.g. electronic equipment, garden tools, magnetic tape cassettes, diskettes, CDs, books, cosmetics, furniture, etc. Protects high priced item from theft and ensures customer of authenticity.

CHOSEN-DRAWING: Dwg.1/2 Dwg.1/2

DERWENT-CLASS: Q33 V07 W05 X25

EPI-CODES: V07-F02C; W05-B01A2A; W05-B01A2B; X25-F;

Generate Collection

L6: Entry 6 of 7

File: DWPI

Mar 3, 1993

DERWENT-ACC-NO: 1994-008284

DERWENT-WEEK: 199402

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TITLE: Authenticating label used on packing of various products - has secret sign which is revealed after rubbing with finger nail on seal tag surface, whereby consumers can tell true product from fakes NoAbstract

INVENTOR: ZHU, H

PATENT-ASSIGNEE: ZHU H (ZHUHI)

PRIORITY-DATA: 1992CN-0105787 (July 9, 1992)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
CN 1069591 A	March 3, 1993		000	G09F003/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
CN 1069591A	July 9, 1992	1992CN-0105787	

INT-CL (IPC): G09F 3/00

DERWENT-CLASS: P85

End of Result Set

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L6: Entry 7 of 7

File: DWPI

Aug 2, 1984

DERWENT-ACC-NO: 1984-201499

DERWENT-WEEK: 198432

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TITLE: Merchandise verification and information system - uses authentication tag to prevent counterfeit, with machine readable identification number for each item

INVENTOR: GOLDMAN, R N; KATZ, R A

PATENT-ASSIGNEE: LIGHT SIGNATURES INC (LIGHN)

PRIORITY-DATA: 1983US-0458699 (January 17, 1983), 1980US-0161838 (June 23, 1980), 1981US-0276282 (June 22, 1981), 1985US-0752759 (July 8, 1985), 1987US-0126385 (November 30, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 8403019 A	August 2, 1984	E	038	
CA 1213371 A	October 28, 1986		000	
DE 3382689 G	July 8, 1993		000	H04Q009/00
EP 131574 A	January 23, 1985	E	000	
EP 131574 B1	June 2, 1993	E	017	H04Q009/00
JP 60500466 W	April 4, 1985		000	
US 4558318 A	December 10, 1985		000	
US 4651150 A	March 17, 1987		000	
US 4739322 A	April 19, 1988		000	
US 4816824 A	March 28, 1989		000	

DESIGNATED-STATES: JP AT BE CH DE FR GB LU NL SE AT BE CH DE FR GB LI LU NL SE AT BE CH DE FR GB LI LU NL SE

CITED-DOCUMENTS: FR 2438297; GB 1411477 ; SS R880107 ; US 3737631 ; US 3770941 ; US 3890599 ; US 4340810 ; US 4340848 ; US 4240848

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
WO 8403019A	April 15, 1983	1983WO-US00566	
DE 3382689G	April 15, 1983	1983DE-3382689	
DE 3382689G	April 15, 1983	1983EP-0901776	
DE 3382689G	April 15, 1983	1983WO-US00566	
DE 3382689G		EP 131574	Based on
DE 3382689G		WO 8403019	Based on
EP 131574A	April 15, 1983	1983EP-0901776	
EP 131574B1	April 15, 1983	1983EP-0901776	
EP 131574B1	April 15, 1983	1983WO-US00566	
EP 131574B1		WO 8403019	Based on
JP 60500466W	April 15, 1983	1983JP-0501815	
US 4558318A	January 17, 1983	1983US-0458699	
US 4651150A	July 8, 1985	1985US-0752759	
US 4739322A	December 31, 1986	1986US-0948257	
US 4816824A	November 30, 1987	1987US-0126385	

INT-CL (IPC): B42D 15/02; G06F 15/20; G06K 5/00; G06K 9/00; G06K 17/00; H04Q 9/00

ABSTRACTED-PUB-NO: EP 131574B

BASIC-ABSTRACT:

The system for use with identification devices each of which bears a machine-readable numerical designation and is associated with a unit of merchandise. A central processor includes a memory addressable by the numerical designations. An arrangement including a reader senses the numerical designations and addresses the memory to register information including an identification designation and information to indicate a state or location for the associated item of merchandise. An arrangement tests the memory to manifest information on specific items of merchandise.

A specific identification and a latch identification may be registered from each device. The system may also be capable of testing the authenticity of a tag to verify the tag. It may be possible to specify subsets of the devices based on select batch identification and historical data. The central processor may register information relative to individual devices indicative of status, location and type.

ADVANTAGE - Enables positive identification of items of merchandise which have gone astray due to pilferage, short counts, etc.

ABSTRACTED-PUB-NO: US 4558318A

EQUIVALENT-ABSTRACTS:

The method of auditing the historical status of individual units of merchandise, in which each unit is associated with an individual item that bears representation of the identity of the unit in machine-readable form, and the machine-readable representation of identity is read at each of a series of successive stages or locations (62 Fig 3) through which the unit passes, to signal to data storage means (72 Fig 3) information as to at least the presence of the identified unit at that stage or location, such that the storage means contains in respect of the identified unit information that enables the progression of that specific unit within the series of stages or locations to be determined by interrogating the storage means, characterised in that the series of stages or locations are stages or locations within a commercial distribution chain into which the units are released in batches (''32''), each unit of each batch having its own individually-associated identification item as aforesaid, and that the representation of identity borne by the identification item associated with each individual unit is dependent on the batch (''32'') to which that unit belongs such as to enable the storage means to be interrogated to reveal information related to batch-progression within the chain.

The system incorporates a non-counterfeitable authenticator or verification tag which bears a machine-readable identification number and which in one form includes perforated, tear-off sections bearing the identification number and in another form is adhesively integrated with a product package. Operating with the tag, is a

central processor with a memory that is addressable by using the tag identification number. A tag reader senses the machine-readable identification number and addresses the memory for registering information to specifically identify the tag and indicate batch information.

As the tag move to commerce, the memory information is supplemented to provide a history of such movement. In subsequent operations, the memory can then be tested for meaningful information on the merchandise.

(12pp)

US 4651150A

The method of auditing historical status of individual units of merchandise comprises the steps of selecting sheets of medium suitable for merchandise tags and assigning identification data to the individual sheets of medium including a set designation and an individual unit designation. The sheets of medium are designated to indicate the identification data and the sheets are affixed individually to the individual units of merchandise. Locations or customers are registered for the units of merchandise in a record storage in accordance with the identification data.

Historical status of the units of merchandise are traced by addressing the record storage with logic combinations variously comprising locations or customers, in combination with the identification data to manifest data on select units of merchandise. The designation comprises batch number data and the individual unit designation comprises a unit identification number.

USE/ADVANTAGE - Anti-counterfeit device. Capable of providing information on products that are of concern as distinct from large volume of products that move properly as scheduled. (12pp)

US 4739322A

The machine verification device comprises a verification tag comprising a medium having a measurable anticounterfeit characteristic. Identification indicia on the tag designates the specific unit of merchandise. Verification indicia on the tag is for use to authenticate the anticounterfeit characteristic. The verification tag is affixed to the specific unit of merchandise whereby the identification indicia is accessible for sensing or observing.

The identification indicia uniquely identifies the tag as a unique unit in a unique set. The identification indicia includes a number of print font forms.

(12pp)

US 4816824A

The total system incorporates a non-counterfeitable authenticator or verification tag which bears a machine-readable identification number and which in one form includes perforated, tear-off sections bearing the identification number and in another form is adhesively integrated with a product package. Operating with the tag, the physical system includes a central processor with a memory means that is addressable by using the tag identification number. A tag reader senses the machine-readable identification number (may also verify the tag) and addresses the memory means for registering information to specifically identify the tag and indicate batch information.

As the tag (and unit of merchandise) move to commerce, the memory information is supplemented to provide a history of such movement. In subsequent operations, the memory can then be tested for meaningful information on the merchandise. As one key to using the method to procure significant data, the system incorporates apparatus for testing the content of the memory to manifest the identification of specific tags that are related as a subset of merchandise of interest.

(12pp)

WO 8403019A

CHOSEN-DRAWING: Dwg. 3, 4/6 Dwg. 3/6

DERWENT-CLASS: P76 T01 T04
EPI-CODES: T01-J05; T04-B;

End of Result Set

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L6: Entry 7 of 7

File: DWPI

Aug 2, 1984

DERWENT-ACC-NO: 1984-201499

DERWENT-WEEK: 198432

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TITLE: Merchandise verification and information system - uses authentication tag to prevent counterfeit, with machine readable identification number for each item

INVENTOR: GOLDMAN, R N; KATZ, R A

PATENT-ASSIGNEE: LIGHT SIGNATURES INC (LIGHN)

PRIORITY-DATA: 1983US-0458699 (January 17, 1983), 1980US-0161838 (June 23, 1980), 1981US-0276282 (June 22, 1981), 1985US-0752759 (July 8, 1985), 1987US-0126385 (November 30, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
WO 8403019 A	August 2, 1984	E	038	
CA 1213371 A	October 28, 1986		000	
DE 3382689 G	July 8, 1993		000	H04Q009/00
EP 131574 A	January 23, 1985	E	000	
EP 131574 B1	June 2, 1993	E	017	H04Q009/00
JP 60500466 W	April 4, 1985		000	
US 4558318 A	December 10, 1985		000	
US 4651150 A	March 17, 1987		000	
US 4739322 A	April 19, 1988		000	
US 4816824 A	March 28, 1989		000	

DESIGNATED-STATES: JP AT BE CH DE FR GB LU NL SE AT BE CH DE FR GB LI LU NL SE AT BE CH DE FR GB LI LU NL SE

CITED-DOCUMENTS: FR 2438297; GB 1411477 ; SS R880107 ; US 3737631 ; US 3770941 ; US 3890599 ; US 4340810 ; US 4340848 ; US 4240848

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	descriptor
WO 8403019A	April 15, 1983	1983WO-US00566	
DE 3382689G	April 15, 1983	1983DE-3382689	
DE 3382689G	April 15, 1983	1983EP-0901776	
DE 3382689G	April 15, 1983	1983WO-US00566	
DE 3382689G		EP 131574	Based on
DE 3382689G		WO 8403019	Based on
EP 131574A	April 15, 1983	1983EP-0901776	
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JP 60500466W	April 15, 1983	1983JP-0501815	
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US 4651150A	July 8, 1985	1985US-0752759	
US 4739322A	December 31, 1986	1986US-0948257	
US 4816824A	November 30, 1987	1987US-0126385	

INT-CL (IPC): B42D 15/02; G06F 15/20; G06K 5/00; G06K 9/00; G06K 17/00; H04Q 9/00

ABSTRACTED-PUB-NO: EP 131574B

BASIC-ABSTRACT:

The system for use with identification devices each of which bears a machine-readable numerical designation and is associated with a unit of merchandise. A central processor includes a memory addressable by the numerical designations. An arrangement including a reader senses the numerical designations and addresses the memory to register information including an identification designation and information to indicate a state or location for the associated item of merchandise. An arrangement tests the memory to manifest information on specific items of merchandise.

A specific identification and a latch identification may be registered from each device. The system may also be capable of testing the authenticity of a tag to verify the tag. It may be possible to specify subsets of the devices based on select batch identification and historical data. The central processor may register information relative to individual devices indicative of status, location and type.

ADVANTAGE - Enables positive identification of items of merchandise which have gone astray due to pilferage, short counts, etc.

ABSTRACTED-PUB-NO: US 4558318A

EQUIVALENT-ABSTRACTS:

The method of auditing the historical status of individual units of merchandise, in which each unit is associated with an individual item that bears representation of the identity of the unit in machine-readable form, and the machine-readable representation of identity is read at each of a series of successive stages or locations (62 Fig 3) through which the unit passes, to signal to data storage means (72 Fig 3) information as to at least the presence of the identified unit at that stage or location, such that the storage means contains in respect of the identified unit information that enables the progression of that specific unit within the series of stages or locations to be determined by interrogating the storage means, characterised in that the series of stages or locations are stages or locations within a commercial distribution chain into which the units are released in batches (''32''), each unit of each batch having its own individually-associated identification item as aforesaid, and that the representation of identity borne by the identification item associated with each individual unit is dependent on the batch (''32'') to which that unit belongs such as to enable the storage means to be interrogated to reveal information related to batch-progression within the chain.

The system incorporates a non-counterfeitable authenticator or verification tag which bears a machine-readable identification number and which in one form includes perforated, tear-off sections bearing the identification number and in another form is adhesively integrated with a product package. Operating with the tag, is a

central processor with a memory that is addressable by using the tag identification number. A tag reader senses the machine-readable identification number and addresses the memory for registering information to specifically identify the tag and indicate batch information.

As the tag move to commerce, the memory information is supplemented to provide a history of such movement. In subsequent operations, the memory can then be tested for meaningful information on the merchandise.

(12pp)

US 4651150A

The method of auditing historical status of individual units of merchandise comprises the steps of selecting sheets of medium suitable for merchandise tags and assigning identification data to the individual sheets of medium including a set designation and an individual unit designation. The sheets of medium are designated to indicate the identification data and the sheets are affixed individually to the individual units of merchandise. Locations or customers are registered for the units of merchandise in a record storage in accordance with the identification data.

Historical status of the units of merchandise are traced by addressing the record storage with logic combinations variously comprising locations or customers, in combination with the identification data to manifest data on select units of merchandise. The designation comprises batch number data and the individual unit designation comprises a unit identification number.

USE/ADVANTAGE - Anti-counterfeit device. Capable of providing information on products that are of concern as distinct from large volume of products that move properly as scheduled. (12pp)

US 4739322A

The machine verification device comprises a verification tag comprising a medium having a measurable anticounterfeit characteristic. Identification indicia on the tag designates the specific unit of merchandise. Verification indicia on the tag is for use to authenticate the anticounterfeit characteristic. The verification tag is affixed to the specific unit of merchandise whereby the identification indicia is accessible for sensing or observing.

The identification indicia uniquely identifies the tag as a unique unit in a unique set. The identification indicia includes a number of print font forms.

(12pp)

US 4816824A

The total system incorporates a non-counterfeitable authenticator or verification tag which bears a machine-readable identification number and which in one form includes perforated, tear-off sections bearing the identification number and in another form is adhesively integrated with a product package. Operating with the tag, the physical system includes a central processor with a memory means that is addressable by using the tag identification number. A tag reader senses the machine-readable identification number (may also verify the tag) and addresses the memory means for registering information to specifically identify the tag and indicate batch information.

As the tag (and unit of merchandise) move to commerce, the memory information is supplemented to provide a history of such movement. In subsequent operations, the memory can then be tested for meaningful information on the merchandise. As one key to using the method to procure significant data, the system incorporates apparatus for testing the content of the memory to manifest the identification of specific tags that are related as a subset of merchandise of interest.

(12pp)

WO 8403019A

CHOSEN-DRAWING: Dwg.3,4/6 Dwg.3/6

DERWENT-CLASS: P76 T01 T04
EPI-CODES: T01-J05; T04-B;

End of Result Set

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L8: Entry 1 of 1

File: DWPI

Mar 15, 2002

DERWENT-ACC-NO: 2002-388290

DERWENT-WEEK: 200242

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TITLE: Merchandise-management tag for goods, has polarity retainer maintaining specific polarity, which is erased with read-out of goods data from memory during goods authentication

PATENT-ASSIGNEE: TOPPAN MOORE KK (TOPP)

PRIORITY-DATA: 2000JP-0260685 (August 30, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 2002074286 A	March 15, 2002		007	G06K019/00

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP2002074286A	August 30, 2000	2000JP-0260685	

INT-CL (IPC): G06 E 17/60; G06 K 17/00; G06 K 19/00; G06 K 19/07; G06 K 19/08; G08 B 13/22

ABSTRACTED-PUB-NO: JP2002074286A

BASIC-ABSTRACT:

NOVELTY - The merchandise-management tag attached to goods, consists of a memory (42) that stores the goods data and a controller (43) controls the write-in and read-out of the goods data in the memory. During goods authentication, polarity maintained by a polarity retainer (44) is erased, with the read-out of goods data from memory.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (a) Merchandise-management method;
- (b) Merchandise-management system

USE - Merchandise-management tag provided to goods.

ADVANTAGE - Since the polarity erasure is performed based on the read-out of goods data, authentication is performed efficiently without lengthening processing time.

DESCRIPTION OF DRAWING(S) - The figure shows the implementation of merchandise-management system. (Drawing includes non-English language text).

Memory 42

Controller 43

Polarity retainer 44

ABSTRACTED-PUB-NO: JP2002074286A

EQUIVALENT-ABSTRACT:

CHOSEN-DRAWING: Dwg. 2/5

DERWENT-CLASS: T01 T04 T05 W05

EPI-CODES: T01-F06; T01-J08A; T04-K01; T04-K02; T05-G02B1A; W05-D07;